

1)
$$V_S = V_{DC} - V_A$$

2)
$$V_L = V_A - V_M$$

s)
$$\mathcal{I}_{S} = \mathcal{I}_{L}$$

7)
$$I_{L} = V_{RS}/R_S$$

7)
$$I_{L.} = V_{RS}/R_S$$

8) $V_{m} = V_{c} + I_{c} R_{ESR}$

15)
$$I_{L}(4) = \frac{1}{L} \int V_{L}(4) dt$$

16)
$$I_{L} = \frac{V_{L}}{L} t = \frac{V_{A} - V_{H}}{l} t$$

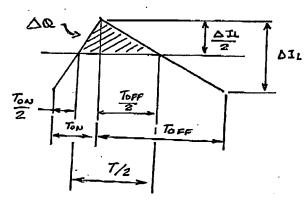
17)
$$I_L = \frac{V_{DC} - V_S - V_R}{L} \neq$$

(8)
$$\Delta I_L = \frac{V_{DC} - V_S - V_{DI}}{L}$$
 Ton Fig 60-2

19)
$$|\Delta I_1| = \frac{V_1 + V_{fd}}{L}$$
 Topp

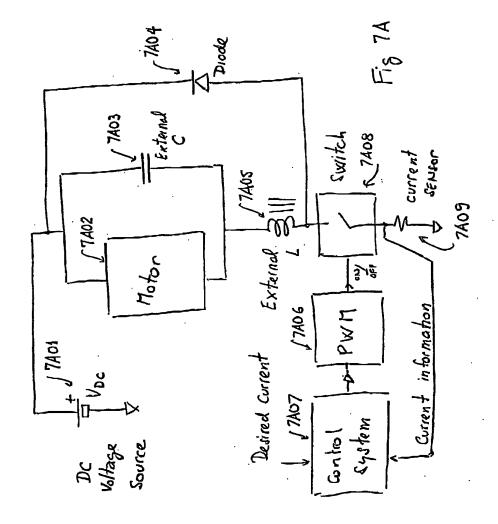
$$\frac{V_{DC} - V_S - V_{Pl}}{L} T_{ON} = \frac{V_{Pl} + V_{fol}}{L} T_{OFF}$$

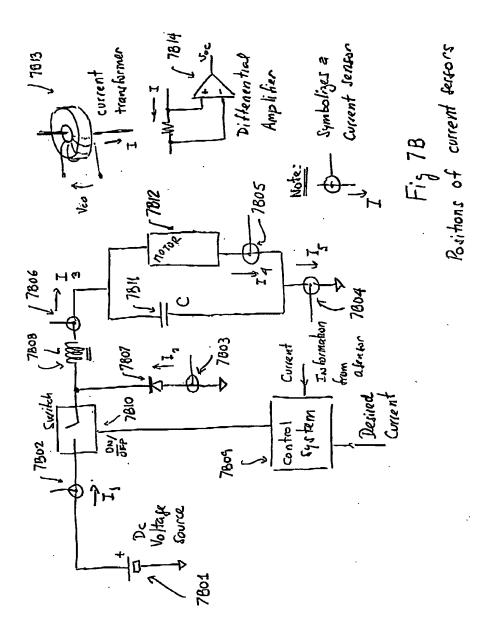
22)
$$V_H = V_{DC} \frac{T_{ON}}{T_{ON} + T_{OFF}} = V_{DC} \frac{T_{ON}}{T}$$

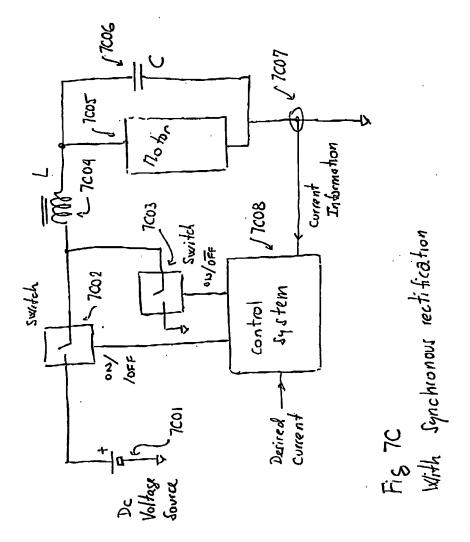


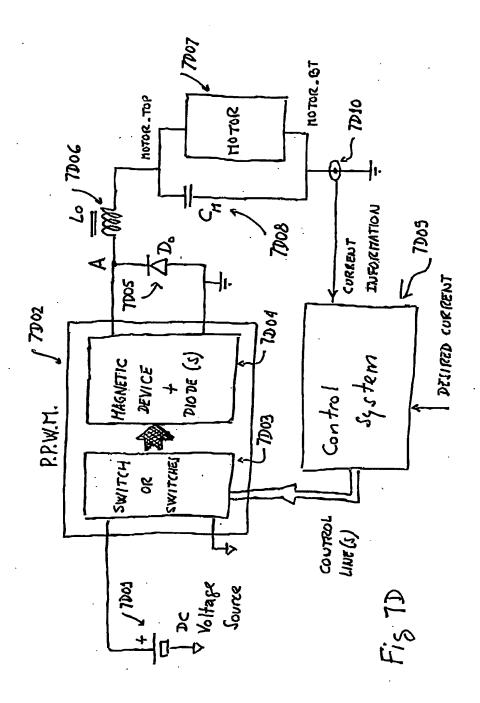
$$\Delta Q = \frac{1}{2} \cdot \frac{T}{2} \cdot \frac{\Delta I}{2}$$

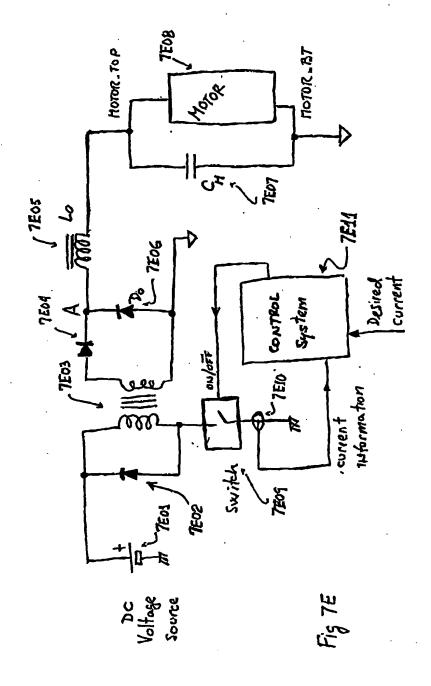
$$\Delta V_{C_c} = \frac{\Delta Q}{C} = \frac{\Delta I_L}{f \, 8 \, C}$$

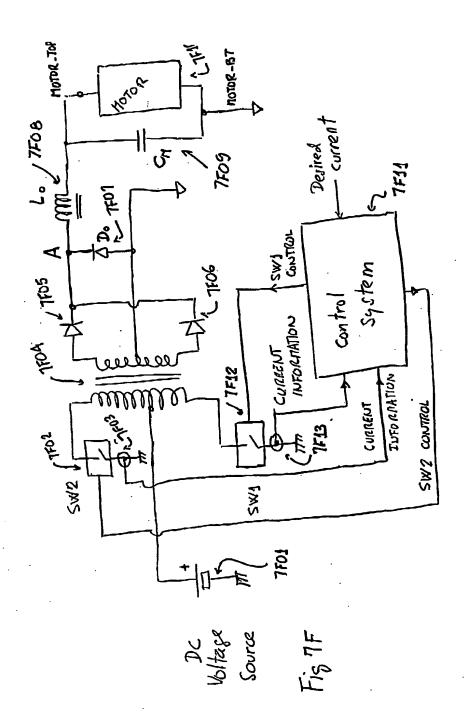


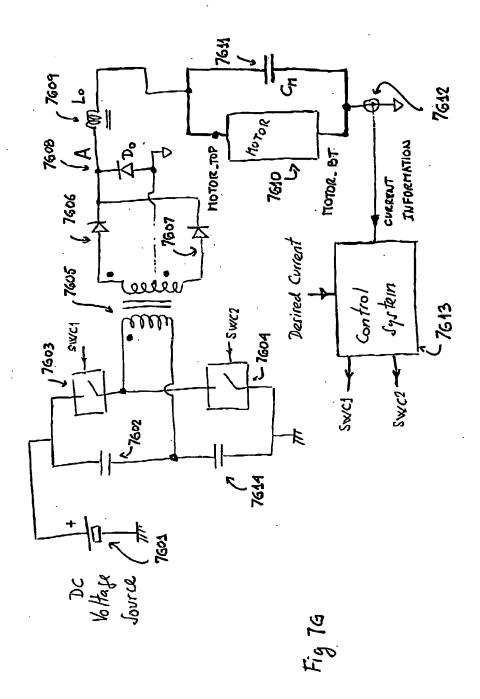


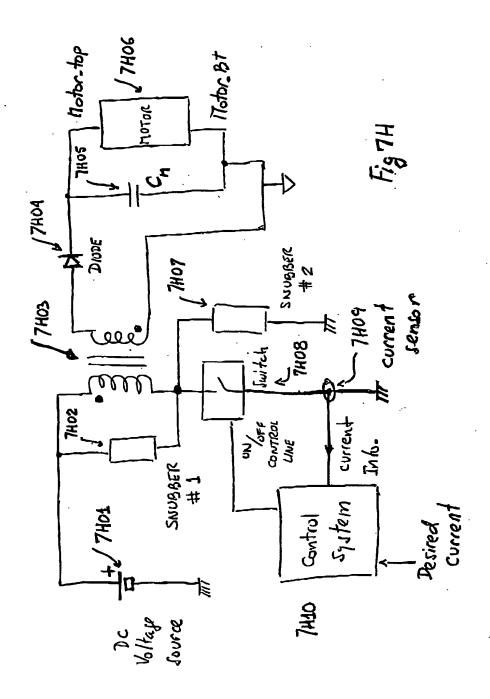


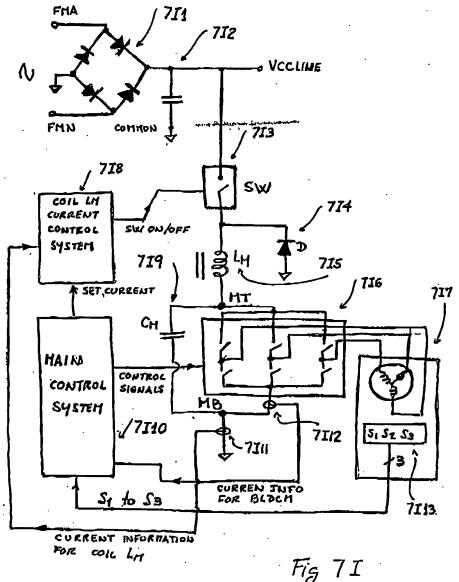


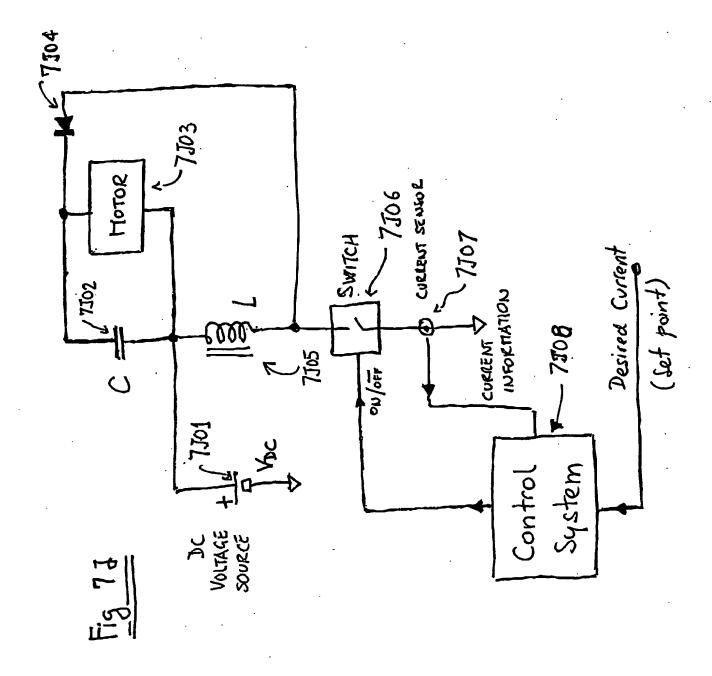


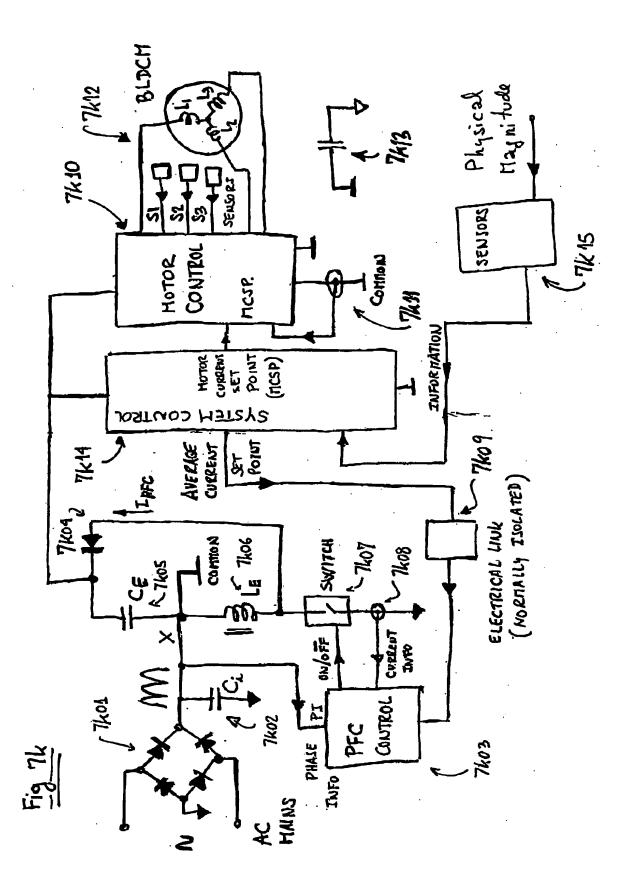


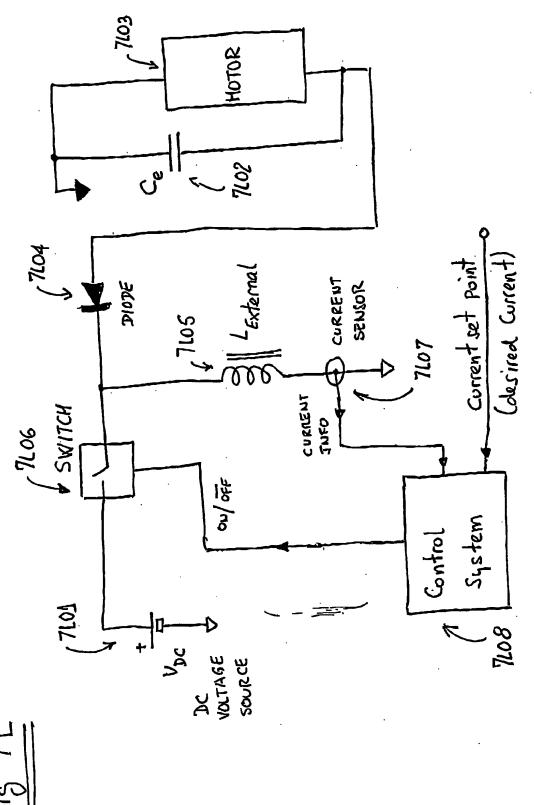


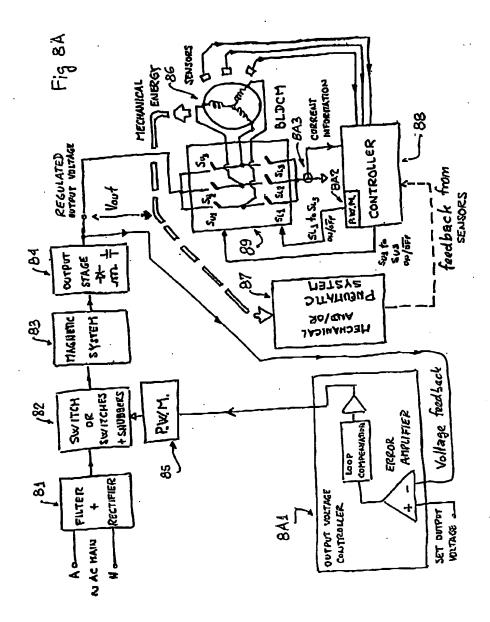


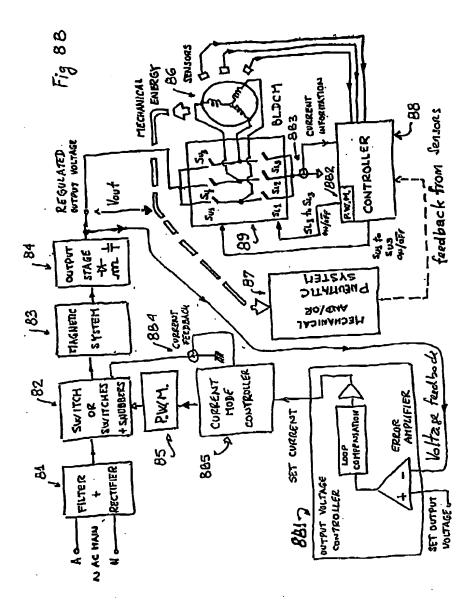


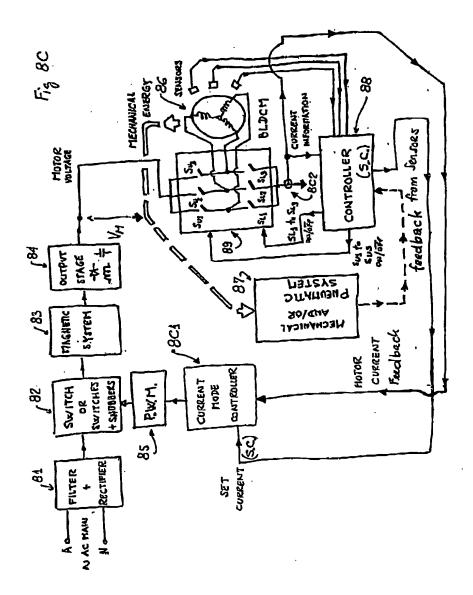


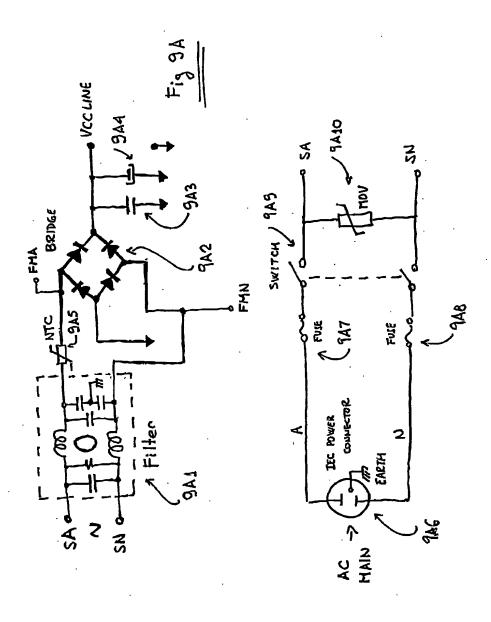


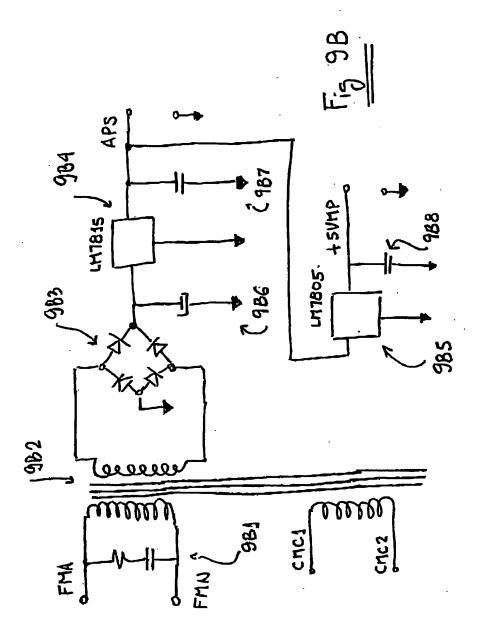


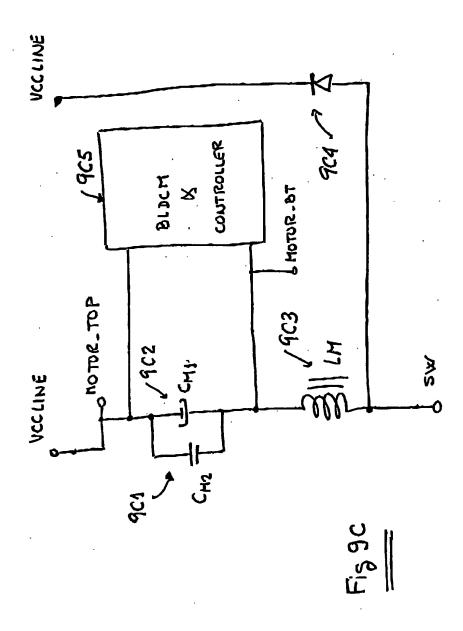


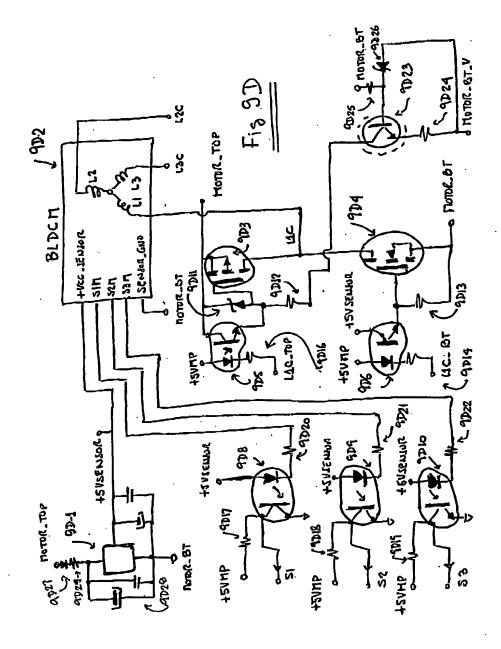


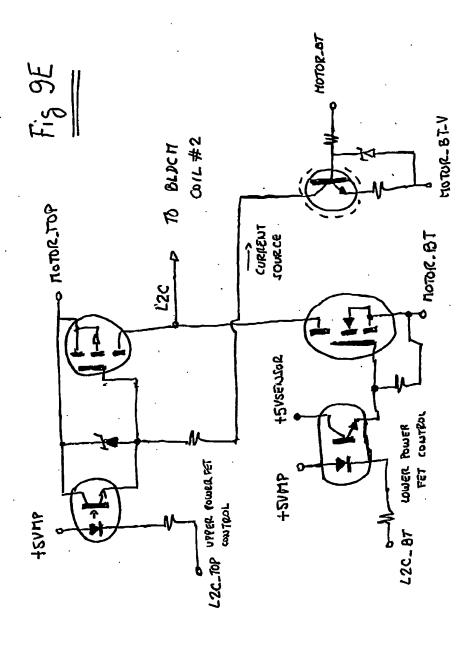


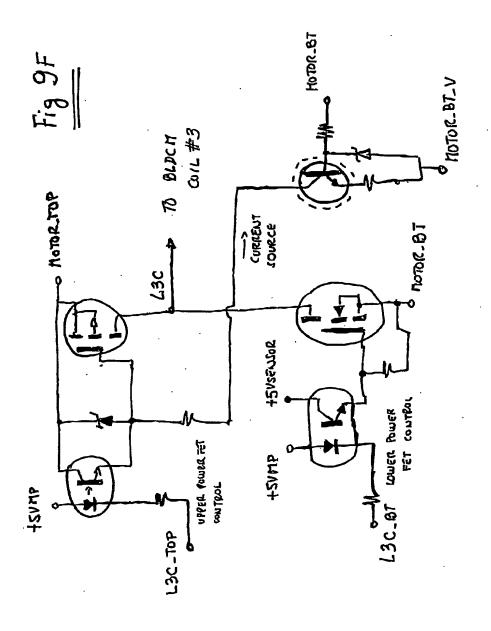


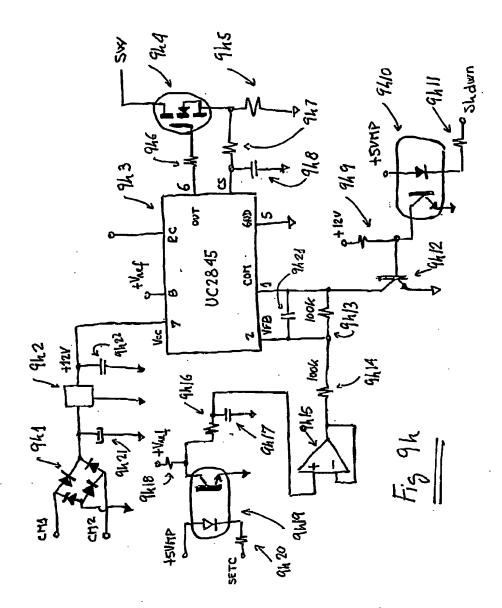


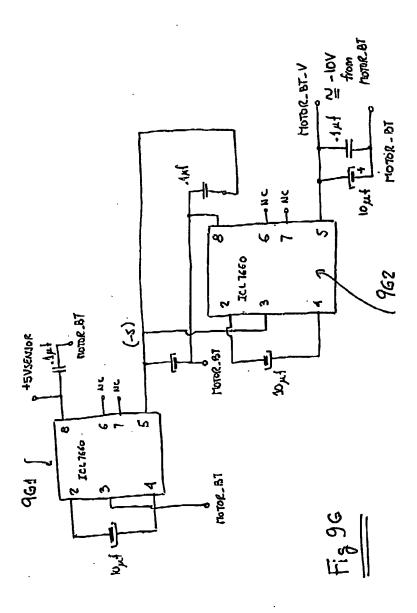


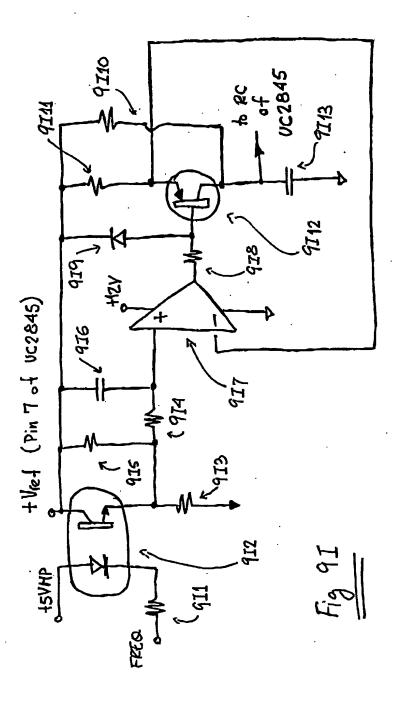


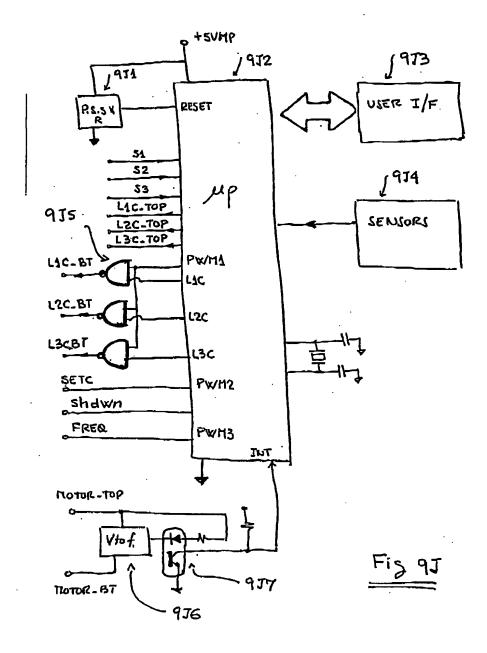


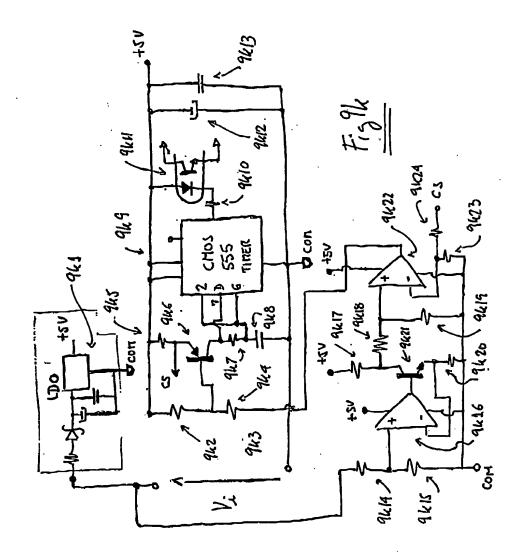


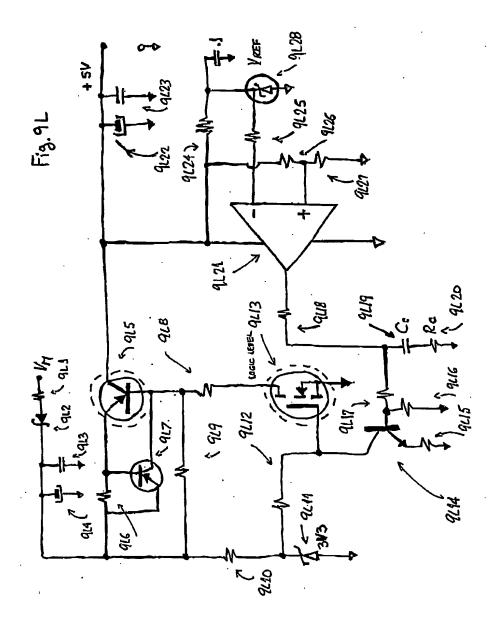


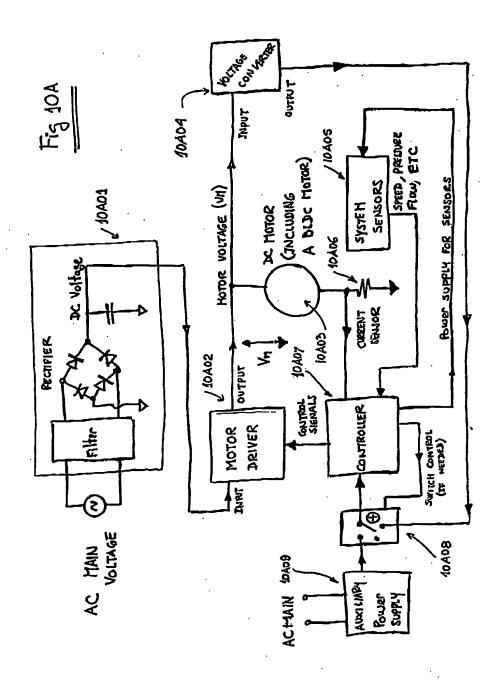


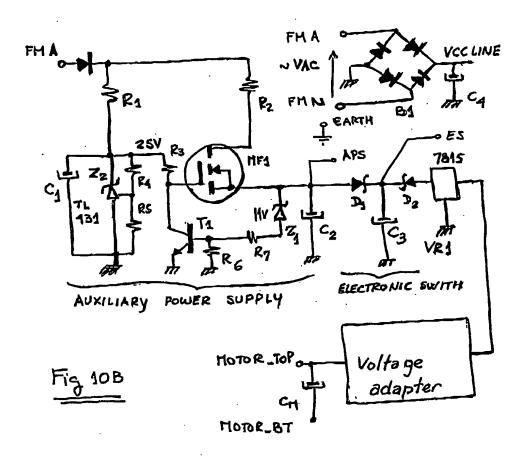


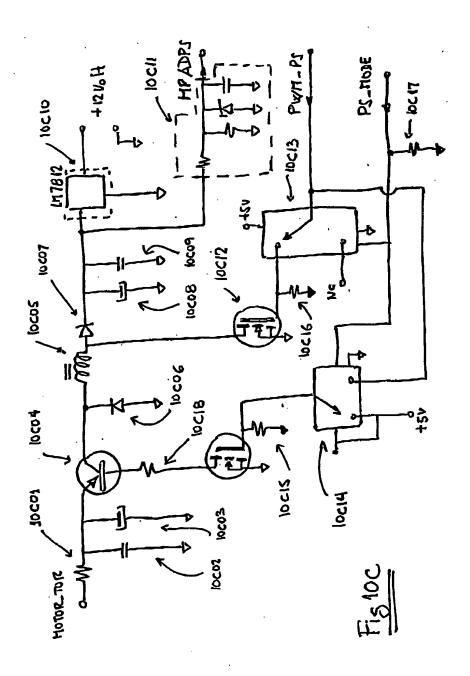


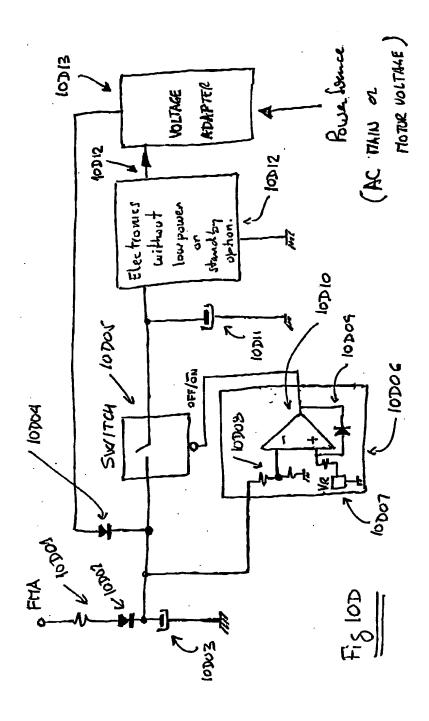


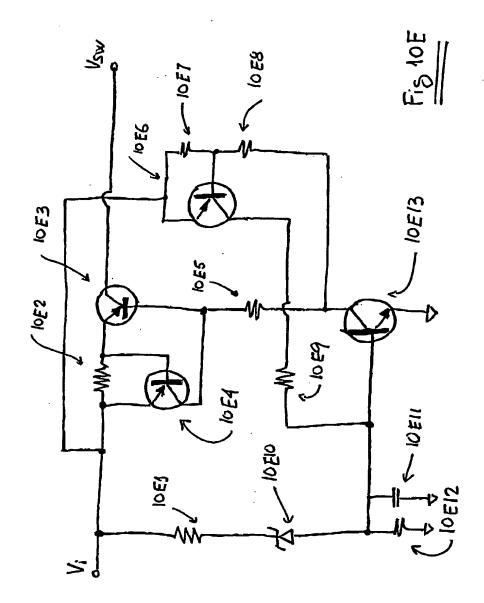


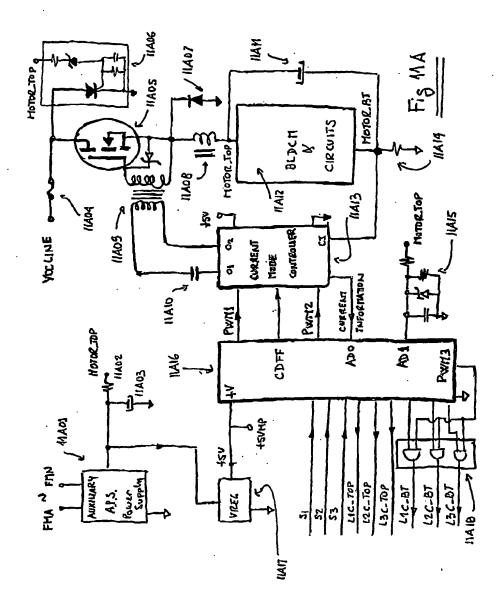


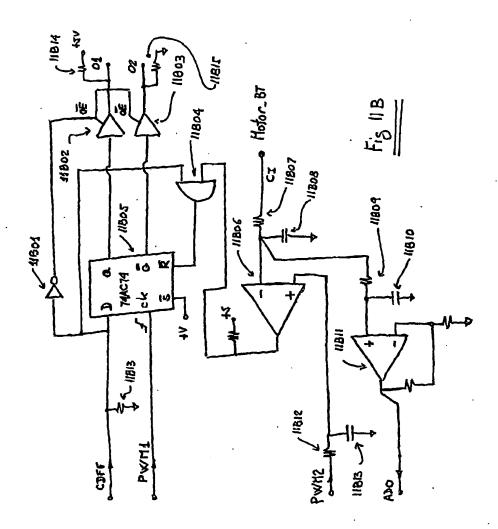


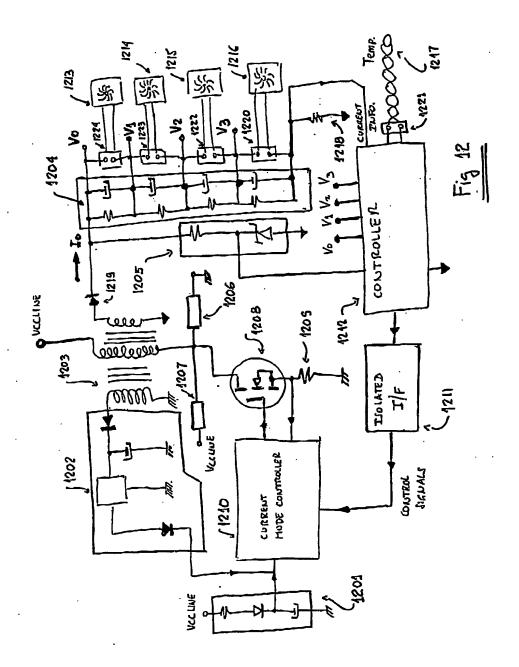


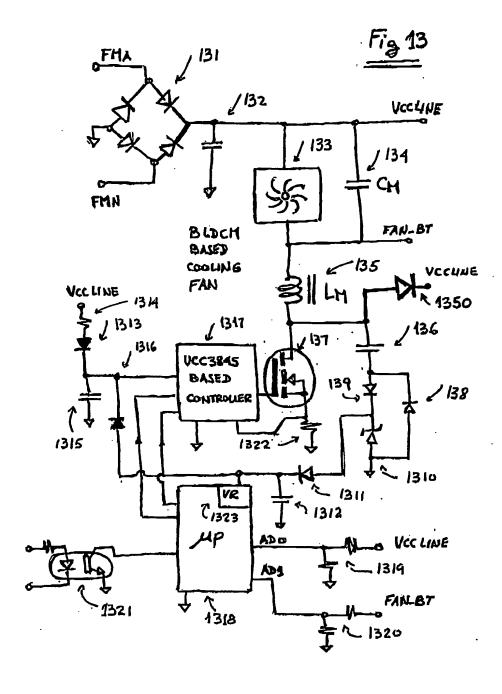


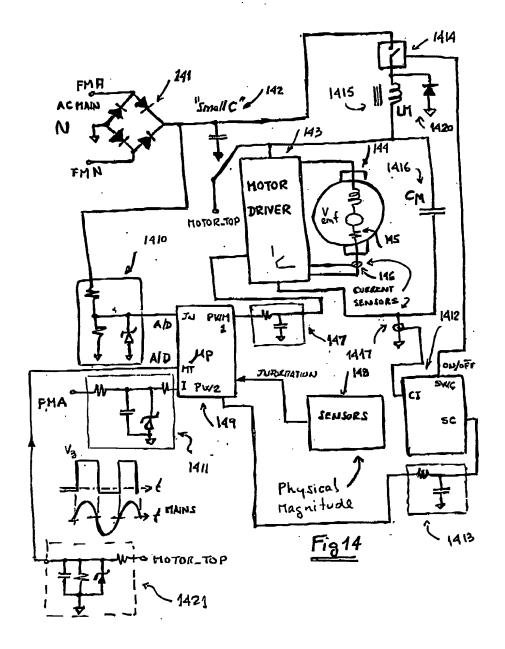


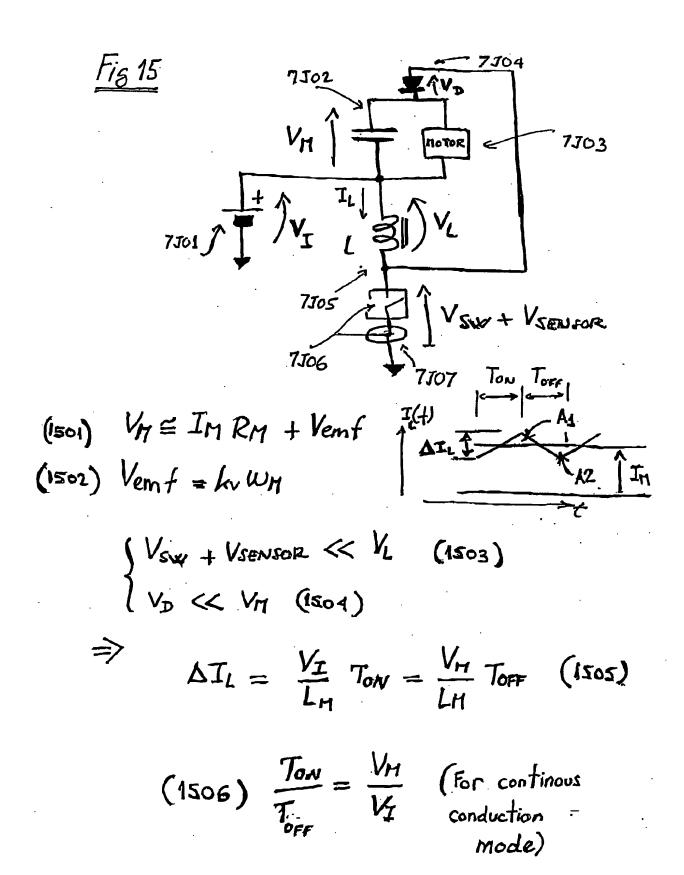












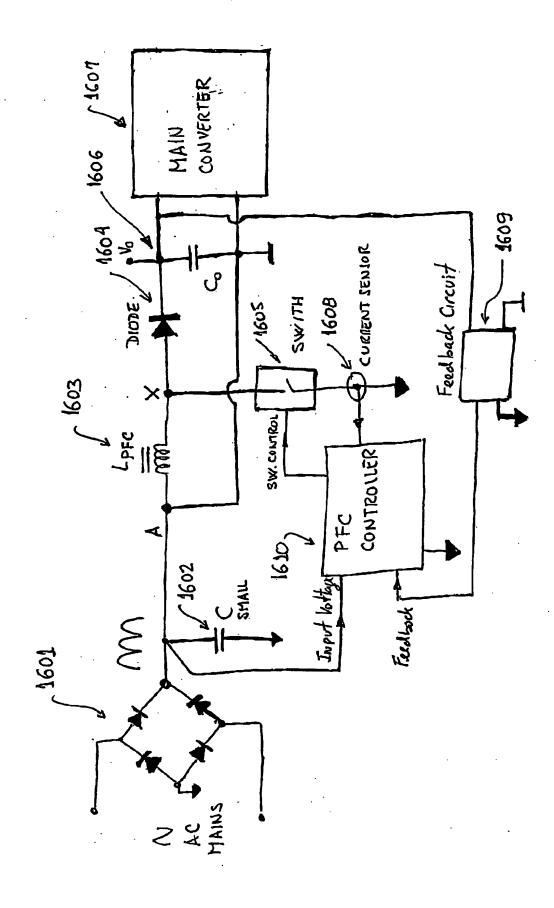


Fig 16

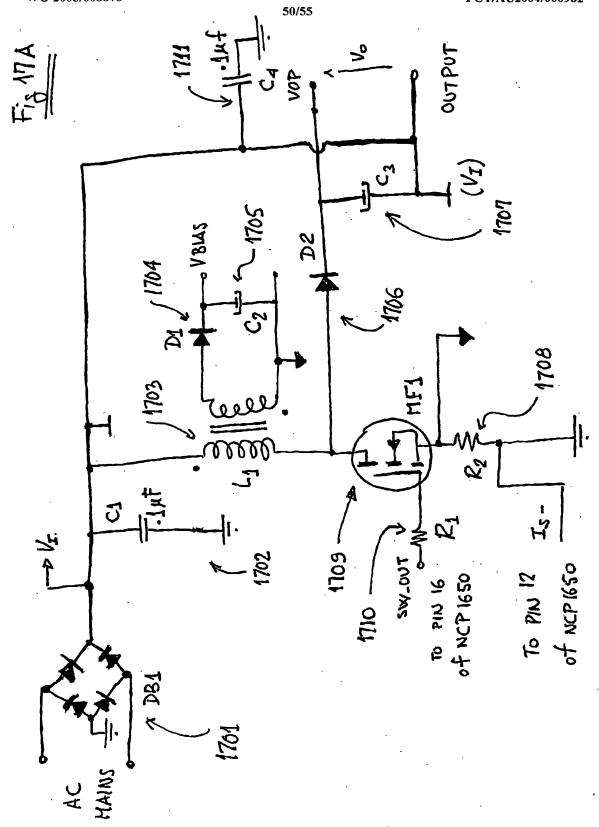
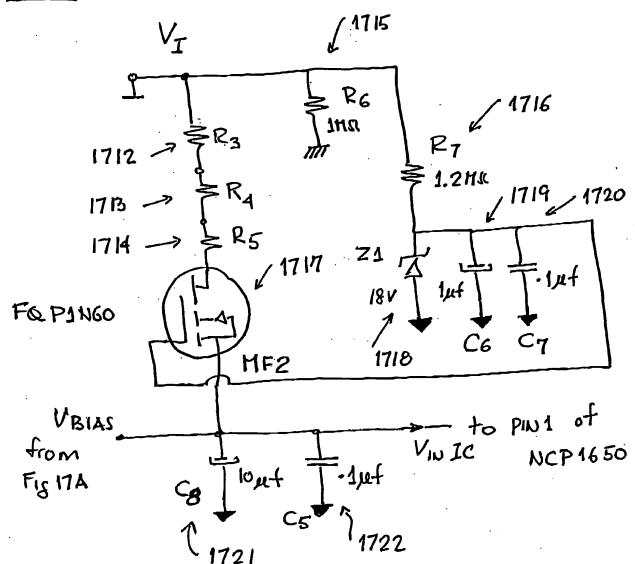
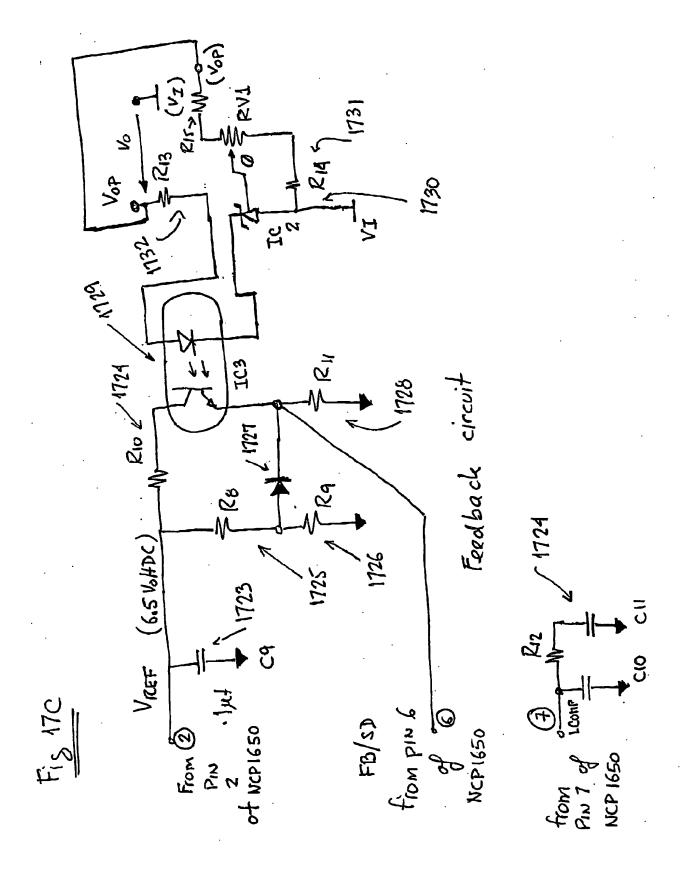
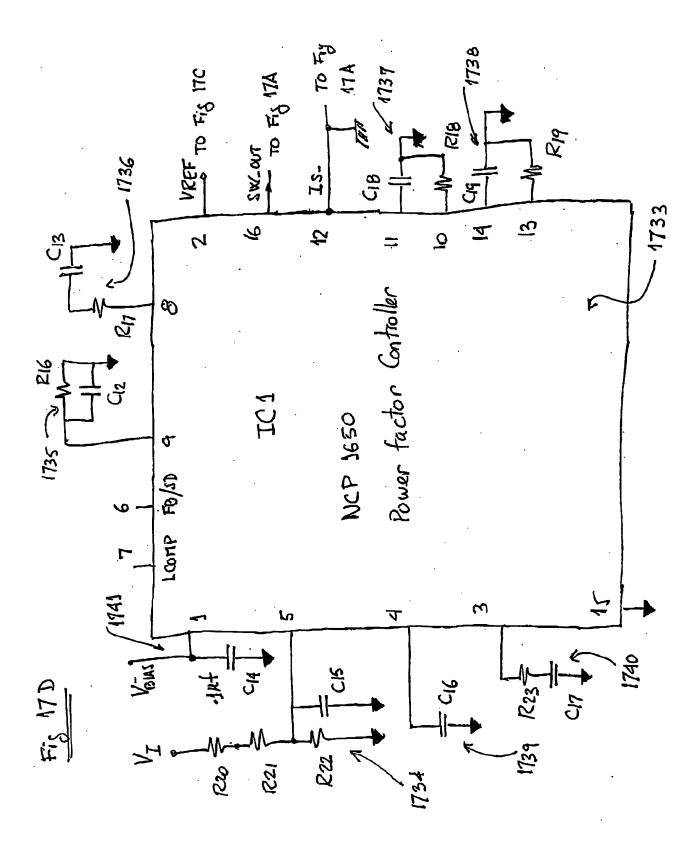
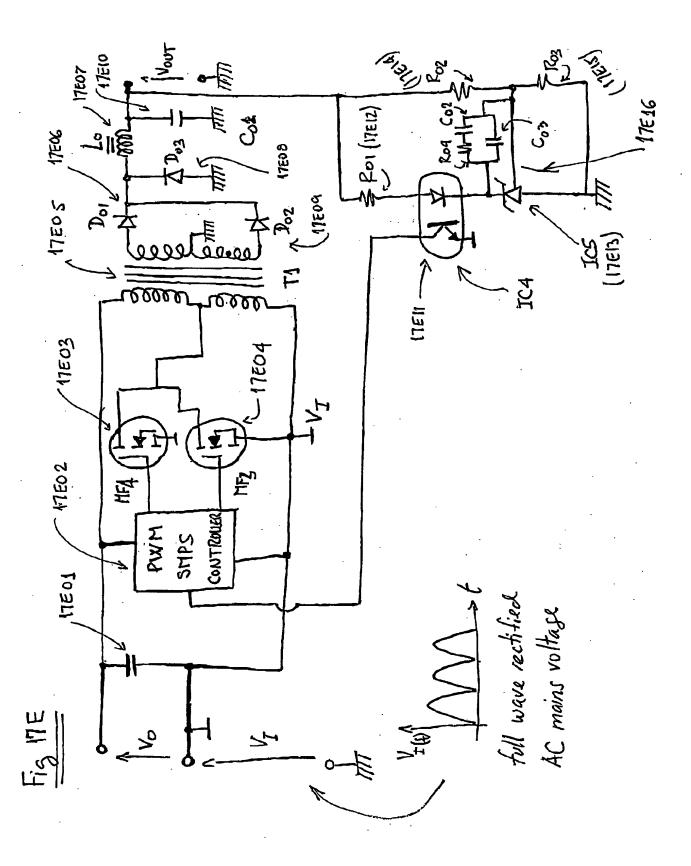


Fig 17B









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